lumber:_	09/482,682	CRF Processing Date: 2/8/2009 Edited by:
	a file from non-ASCII to ASCII	Verified by: (STIC st
Changed	the margins in cases where the sequence tex	t was "wrapped" down to the next line.
Edited a fo	ormat error in the Current Application Data se	ection, specifically:
Edited the applicant	Current Application Data pector with the action with the action of the prior application data; or Complete the	The number inputted by the
Added the	mandatory heading and subheadings for *Co	urrent Application Data".
Edited the	"Number of Sequences" field. The applicant	spelled out a number instead of using an integer.
Changed t	he spelling of a mandatory field (the heading	s or subheadings), specifically:
Corrected	the SEQ ID NO when obviously incorrect. TI	ne sequence numbers that were edited were:
Inserted or	corrected a nucleic number at the end of a r	nucleic line. SEQ ID NO's edited:
Corrected applicant p	subheading placement. All responses must laced a response below the subheading, this	be on the same line as each subheading. If the was moved to its appropriate place.
Inserted c	olons after headings/subheadings. Headings	s edited included:
Deleted ex	dra, invalid, headings used by an applicant, s	specifically:
Deleted:   ☐ page	□ non-ASCII "garbage" at the beginning/end numbers throughout text; □ other invalid to	d of files; secretary initials/filename at end of filext, such as
Inserted n	nandatory headings, specifically:	
Corrected	an obvious error in the response, specifically	y: *
Edited ide	ntifiers where upper case is used but lower o	ase is required, or vice versa.
Corrected	an error in the Number of Sequences field, s	specifically:
A *Hard P	age Break* code was inserted by the applica	nt. All occurrences had to be deleted.
Deleted <i>en</i> due to a Pa	dIng stop codon in amino acid sequences a tentin bug). Sequences corrected:	nd adjusted the "(A)Length:" field accordingly (error
	leleted enialid text of	

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

PAGE: 1

1 2

3

4

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/482,682

DATE: 02/08/2000

TIME: 14:30:59

Input Set: I482682.RAW

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

```
Corrected Diskette Needed

NEMEROW, GLEN R.

HALLENBECK, PAUL
STEVENSON, SUSAN
```

5 SKRIPCHENKO, YELENA 6 <120> ADENOVIRUS VECTORS, PACKAGING CELL LINES, COMPOSITIONS, 7 AND METHODS FOR PREPARATION AND USE

8 <130> 1294.0010001 9 <140> US/09/482,682 10 <141> 2000-01-14

E--> 0 11 <160> 76 12 <170> PatentIn Ver. 2.1

## ERRORED SEQUENCES FOLLOW

```
E-->
             <210> 50
        13
                                                   All bock pager
             <211> 8238
        14
        15
             <212> DNA
             <213> Artificial Sequence
        16
        17
             <220>
             <223> Description of Artificial Sequence: plasmid
        18
        19
             <400> 50
                  gcggccgcca tcatcaataa tataccttat tttggattga agccaatatg ataatgaggg 60
       20
                  ggtggagttt gtgacgtggc gcggggcgtg ggaacggggc gggtgacgta gtagtgtggc 120
        21
                  qqaaqtqtqa tqttqcaagt gtggcggaac acatgtaagc gacggatgtg gcaaaagtga 180
       22
                  cgtttttggt gtgcgccggt gtacacagga agtgacaatt ttcgcgcggt tttaggcgga 240
       23
                  tqttqtaqta aatttgggcg taaccgagta agatttggcc attttcgcgg gaaaactgaa 300
       24
       25
                  taagaggaag tgaaatctga ataattttgt gttactcata gcgcgtaata tttgtctagg 360
                  gccgcgggga ctttgaccgt ttacgtggag actcgcccag ggcgcgcccc gatgtacggg 420
       26
                  ccagatatac gcgtatctga ggggactagg gtgtgtttag gcgaaaagcg gggcttcggt 480
       27
                  tqtacqcqqt taqqaqtccc ctcaqqatat agtagtttcg cttttgcata gggaggggga 540
        28
       29
                  aatgtagtet tatgeaatae tettgtagte ttgeaacatg gtaacgatga gttageaaca 600
                  tqccttacaa ggagagaaaa agcaccgtgc atgccgattg gtggaagtaa ggtggtacga 660
       30
                  tcqtqcctta ttaggaaggc aacagacggg tctgacatgg attggacgaa ccactgaatt 720
       31
                  ccgcattgca gagatattgt atttaagtgc ctagctcgat acaataaacg ccatttgacc 780
       32
                  atteaceaca ttggtgtgca ceteeggeee atatggeeae tetetteege ategetgtet 840
       33
                  gcgggggcca gctgttgggc tcgcggttga ggacaaactc ttcgcggtct ttccagtact 900
       34
                  cttggatcgg aaacccgtcg gcctccgaac ggtactccgc cgccgaggga cctgagcgag 960
       35
                  tecgeatega eeggategga aaaceteteg agaaaggegt gtaaceagte acagtegete 1020
       36
                  tagaactagt ggatcccccg ggctgcagga attcgatgat cttggtggcg tgaaactccc 1080
       37
                  qcacctettt qqcaaqcqcc ttgtagaagc gcgtatggct tcgtacccct gccatcaaca 1140
       38
                  cgcgtctgcg ttcgaccagg ctgcgcgttc tcgcggccat agcaaccgac gtacggcgtt 1200
       39
```

DATE: 02/08/2000 TIME: 14:30:59 RAW SEQUENCE LISTING PAGE: 2

PATENT APPLICATION US/09/482,682

40					gagcagaaaa		
41					accaccacca		
42					gagccgatga		
43					acacaacacc		
44					agcgcccaga		
45					gtcggggggg		
46					cgccatccca		
47					accccccagg		
48					atcgtgttgg		
49					cccggcgagc		
50					gccaatacgg		
51					tcggggacgg		
52					catatcgggg		
53					gacctgtata		
54					cacgtcttta		
55					cttacctccg		
56					gacctggcgc		
57					cccatcgatc		
58	ataccgtcga	aacttgttta	ttgcagctta	taatggttac	aaataaagca	atagcatcac	2340
59					tgtggtttgt		
60					aaggtgctga		
61	gacccgcacc	aggtgcagac	cctgcgagtg	tggcggtaaa	catattagga	accagcctgt	2520
62					gtgctggcct		
63					gaaatgtgtg		
64					ttttgtatct		
65	agccgccgcc	gccatgagca	ccaactcgtt	tgatggaagc	attgtgagct	catatttgac	2760
66					atgggctcca		
67					gagaccgtgt		
68					gccaccgccc		
69	gactgacttt	gctttcctga	gcccgcttgc	aagcagtgca	gcttcccgtt	catccgcccg	3000
70	cgatgacaag	ttgacggctc	ttttggcaca	attggattct	ttgacccggg	aacttaatgt	3060
71	cgtttctcag	cagctgttgg	atctgcgcca	gcaggtttct	gccctgaagg	cttcctccc	3120
72					gtttggattt		
73					taggcccggg		
74					taaaggtgac		
75					caccactgca		
76					cgctgggcgt		
77					ttggtgtaag		
78					tgcatcttgg		
79					atgttgtgca		
80	cacagtgtat	ccggtgcact	tgggaaattt	gtcatgtagc	ttagaaggaa	atgcgtggaa	3660
81					cattcgtcca		
82					ggatcactaa		
83					cgcgggcgga		
84					ccctcacaga		
85					ggggcgatga		
86					ctgagcagct		
87					aactggtagt		
88					agcatgtccc		
89	gttttccctg	accaaatccg	ccagaaggcg	ctcgccgccc	agcgatagca	gttcttgcaa	4200

DATE: 02/08/2000 TIME: 14:30:59 RAW SEQUENCE LISTING PAGE: 3

PATENT APPLICATION US/09/482,682

90				gtccgccgta			
91	accaagcagt	tccaggcggt	cccacagete	ggtcacctgc	tctacggcat	ctcgatccag	4320
92				ctttcgctgt			
93	tccagacggg	ccagggtcat	gtctttccac	gggcgcaggg	tcctcgtcag	cgtagtctgg	4440
94				gcgctggcca			
95	ctgctggtgc	tgaagcgctg	ccggtcttcg	ccctgcgcgt	cggccaggta	gcatttgacc	4560
96	atggtgtcat	agtccagccc	ctccgcggcg	tggcccttgg	cgcgcagctt	gcccttggag	4620
97	gaggcgccgc	acgaggggca	gtgcagactt	ttgagggcgt	agagcttggg	cgcgagaaat	4680
98	accgattccg	gggagtaggc	atccgcgccg	caggccccgc	agacggtctc	gcattccacg	4740
99	agccaggtga	gctctggccg	ttcggggtca	aaaaccaggt	ttcccccatg	ctttttgatg	4800
100	cgtttcttac	ctctggtttc	catgagccgg	tgtccacgct	cggtgacgaa	aaggctgtcc	4860
101	gtgtccccgt	atacagactt	gagaggcctg	tcctcgagcg	gtgttccgcg	gtcctcctcg	4920
102	tatagaaact	cggaccactc	tgagacaaag	gctcgcgtcc	aggccagcac	gaaggaggct	4980
103	aagtgggagg	ggtagcggtc	gttgtccact	agggggtcca	ctcgctccag	ggtgtgaaga	5040
104	cacatgtcgc	cctcttcggc	atcaaggaag	gtgattggtt	tgtaggtgta	ggccacgtga	5100
105	ccgggtgttc	ctgaaggggg	gctataaaag	ggggtggggg	cgcgttcgtc	ctcactctct	5160
106	tccgcatcgc	tgtctgcgag	ggccagctgt	tggggtgagt	actccctctg	aaaagcgggc	5220
107	atgacttctg	cgctaagatt	gtcagtttcc	aaaaacgagg	aggatttgat	attcacctgg	5280
108	cccgcggtga	tgcctttgag	ggtggccgca	tccatctggt	cagaaaagac	aatctttttg	5340
109	ttgtcaagct	tcgagggggg	gcccggtacc	cagcttttgt	tccctttagt	gagggttaat	5400
110	tgcgcgcttg	gcgtaatcat	ggtcatagct	gtttcctgtg	tgaaattgtt	atccgctcac	5460
111	aattccacac	aacatacgag	ccggaagcat	aaagtgtaaa	gcctggggtg	cctaatgagt	5520
112				actgcccgct			
113				cgcggggaga			
114				gcgctcggtc			
115				atccacagaa			
116	gaacatgtga	gcaaaaggcc	agcaaaaggc	caggaaccgt	aaaaaggccg	cgttgctggc	5820
117	gtttttccat	aggctccgcc	cccctgacga	gcatcacaaa	aatcgacgct	caagtcagag	5880
118	gtggcgaaac	ccgacaggac	tataaagata	ccaggcgttt	cccctggaa	gctccctcgt	5940
119	gcgctctcct	gttccgaccc	tgccgcttac	cggatacctg	tccgcctttc	tcccttcggg	6000
120	aagcgtggcg	ctttctcata	gctcacgctg	taggtatctc	agttcggtgt	aggtcgttcg	6060
121	ctccaagctg	ggctgtgtgc	acgaaccccc	cgttcagccc	gaccgctgcg	ccttatccgg	6120
122	taactatcgt	cttgagtcca	acccggtaag	acacgactta	tcgccactgg	cagcagccac	6180
123	tggtaacagg	attagcagag	cgaggtatgt	aggcggtgct	acagagttct	tgaagtggtg	6240
124	gcctaactac	ggctacacta	gaaggacagt	atttggtatc	tgcgctctgc	tgaagccagt	6300
125	taccttcgga	aaaagagttg	gtagctcttg	atccggcaaa	caaaccaccg	ctggtagcgg	6360
126	tggtttttt	gtttgcaagc	agcagattac	gcgcagaaaa	aaaggatctc	aagaagatcc	6420
127				gtggaacgaa			
128				ctagatcctt			
129				ttggtctgac			
130	tgaggcacct	atctcagcga	tctgtctatt	tcgttcatcc	atagttgcct	gactccccgt	6660
131				accatctggc			
132				atcagcaata			
133				cgcctccatc			
134				tagtttgcgc			
135				tatggcttca			
136				gtgcaaaaaa			
137				agtgttatca			
138	-			aagatgcttt			
139	aaccaagtca	ttctgagaat	agtgtatgcg	gcgaccgagt	tgctcttgcc	cggcgtcaat	7200

DATE: 02/08/2000 TIME: 14:30:59 RAW SEQUENCE LISTING
PATENT APPLICATION US/09/482,682 PAGE:

140	acgggataat	accgcgccac	atagcagaac	tttaaaagtg	ctcatcattg	gaaaacgttc	7260
141	ttcggggcga	aaactctcaa	ggatcttacc	gctgttgaga	tccagttcga	tgtaacccac	7320
142	tcgtgcaccc	aactgatctt	cagcatcttt	tactttcacc	agcgtttctg	ggtgagcaaa	7380
143	aacaggaagg	caaaatgccg	caaaaaaggg	aataagggcg	acacggaaat	gttgaatact	7440
144	catactcttc	ctttttcaat	attattgaag	${\tt catttatcag}$	ggttattgtc	tcatgagcgg	7500
145	atacatattt	gaatgtattt	agaaaaataa	acaaataggg	gttccgcgca	catttccccg	7560
146	aaaagtgcca	cctgacgcgc	cctgtagcgg	cgcattaagc	gcggcgggtg	tggtggttac	7620
147	gcgcagcgtg	accgctacac	ttgccagcgc	cctagcgccc	gctcctttcg	ctttcttccc	7680
148	ttcctttctc	gccacgttcg	ccggctttcc	ccgtcaagct	ctaaatcggg	ggctcccttt	7740
149	agggttccga	tttagtgctt	tacggcacct	cgaccccaaa	aaacttgatt	agggtgatgg	7800
150	ttcacgtagt	gggccatcgc	cctgatagac	ggtttttcgc	cctttgacgt	tggagtccac	7860
151	gttctttaat	agtggactct	tgttccaaac	tggaacaaca	ctcaacccta	tctcggtcta	7920
152	ttcttttgat	ttataaggga	ttttgcgatt	tcggcctatt	ggttaaaaaa	tgagctgatt	7980
153	taacaaaaat	ttaacgcgaa	ttttaacaaa	atattaacgc	ttacaatttc	cattcgccat	8040
154	tcaggctgcg	caactgttgg	gaagggcgat	cggtgcgggc	ctcttcgcta	ttacgccagc	8100
155	tggcgaaagg	gggatgtgct	gcaaggcgat	taagttgggt	aacgccaggg	ttttcccagt	8160
156	cacgacgttg	taaaacgacg	gccagtgagc	gcgcgtaata	cgactcacta	tagggcgaat	8220
157	tggagctcca	ccgcggtg					8238

09/482,682

```
qatcatqtaa ctcqccttqa tcqttqgqaa ccqqaqctqa atqaaqccat accaaacqac 9780
gagcgtgaca ccacgatgcc tgcagcaatg gcaacaacgt tgcgcaaact attaactggc 9840
qaactactta ctctagcttc ccggcaacaa ttaatagact ggatggaggc ggataaagtt 9900
qcaqqaccac ttctqcqctc qqcccttccq qctqqctqqt ttattqctqa taaatctqga 9960
qccqqtqaqc qtqqqtctcq cqqtatcatt qcaqcactqq qgccaqatqq taaqccctcc 10020
cqtatcqtaq ttatctacac gacggggagt caggcaacta tggatgaacg aaatagacag 10080
atcqctqaqa taqqtqcctc actgattaag cattggtaac tgtcagacca agtttactca 10140
tatatacttt agattgattt aaaacttcat ttttaattta aaaggatcta ggtgaagatc 10200
ctttttgata atctcatgac caaaatccct taacgtgagt tttcgttcca ctgagcgtca 10260
qaccccqtaq aaaaqatcaa aggatcttct tgagatcctt tttttctgcg cgtaatctgc 10320
tqcttqcaaa caaaaaaacc accqctacca qcqqtqqttt qtttqccqqa tcaaqaqcta 10380
ccaactcttt ttccgaaggt aactggcttc agcagagcgc agataccaaa tactgtcctt 10440
ctagtgtagc cgtagttagg ccaccacttc aagaactctg tagcaccgcc tacatacctc 10500
gctctqctaa tcctqttacc aqtqqctqct qccaqtqqcq ataaqtcqtq tcttaccqqq 10560
ttggactcaa gacgatagtt accggataag gcgcagcggt cgggctgaac ggggggttcg 10620
tgcacacage ecagettgga gegaacgace tacacegaae tgagatacet acagegtgag 10680
ctatgagaaa gcgccacgct tcccgaaggg agaaaggcgg acaggtatcc ggtaagcggc 10740
agggtcqqaa caggagagcg cacgagggag cttccagggg gaaacgcctg gtatctttat 10800
aqtectqtcq qqtttcqcca cctctqactt qaqcqtcqat ttttqtqatq ctcqtcaqgq 10860
gggcggagcc tatggaaaaa cgccagcaac gcggcctttt tacggttcct ggccttttqc 10920
tggccttttg ctcacatgtt ctttcctgcg ttatcccctg attctgtgga taaccgtatt 10980
accgcctttg agtgagctga taccgctcgc cgcagccgaa cgaccgagcg cagcgagtca 11040
gtgagcgagg aagcggaaga gcgcctgatg cggtattttc tccttacqca tctqtqcqqt 11100
atttcacacc gcatatggtg cactctcagt acaatctgct ctgatgccgc atagttaagc 11160
cagtatctgc tecetgettg tgtgttggag gtcgctgagt agtgcgcgag caaaatttaa 11220
gctacaacaa ggcaaggctt gaccgacaat tgcatgaaga atctgcttag ggttaggcgt 11280
tttgcgctgc ttcgcgatgt acgggccaga tatacgcgta tctgagggga ctagggtgtg 11340
tttaggcgaa aagcggggct tcggttgtac gcggttagga gtcccctcag gatatagtag 11400
tttcgctttt gcatagggag ggggaaatgt agtcttatgc aatacacttg tagtcttgca 11460
acatggtaac gatgagttag caacatgcct tacaaggaga gaaaaagcac cgtgcatgcc 11520
gattggtgga agtaaggtgg tacgatcgtg ccttattagg aaggcaacag acgggtctga 11580
                                                                  11600
catggattgg acgaaccact
```

<220>

<223> Description of Artificial Sequence: plasmid

<400> 49

<210> 50

delete

PAGE:

## VERIFICATION SUMMARY PATENT APPLICATION US/09/482,682

DATE: 02/08/2000 TIME: 14:30:59

Line ? Error/Warning	Original Text		
11 E # of Seq. 76 Not Equal Actual 77	<160> 76		
13 E Seg. #s 1 thru 49 missing	<210> 50		